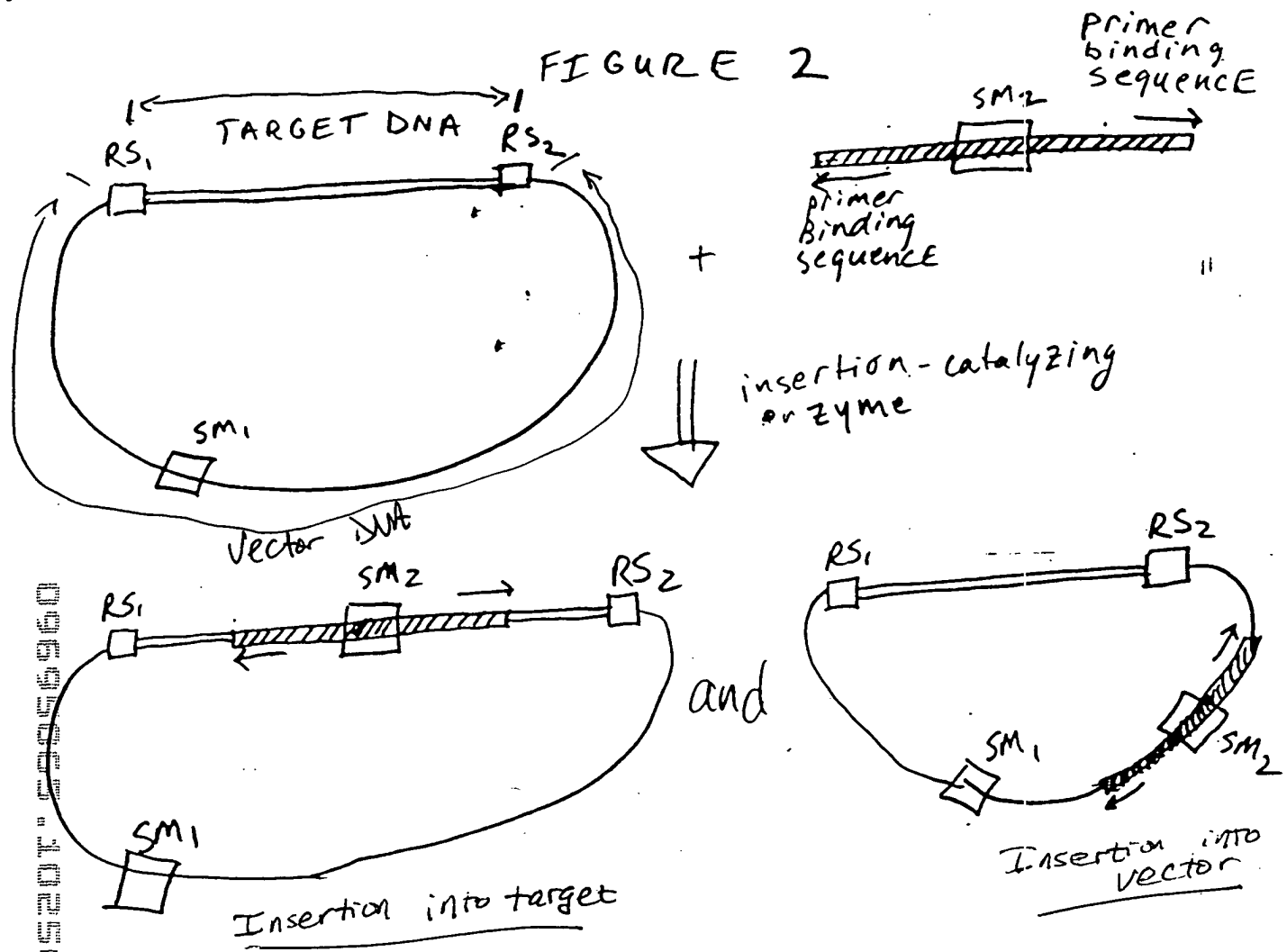
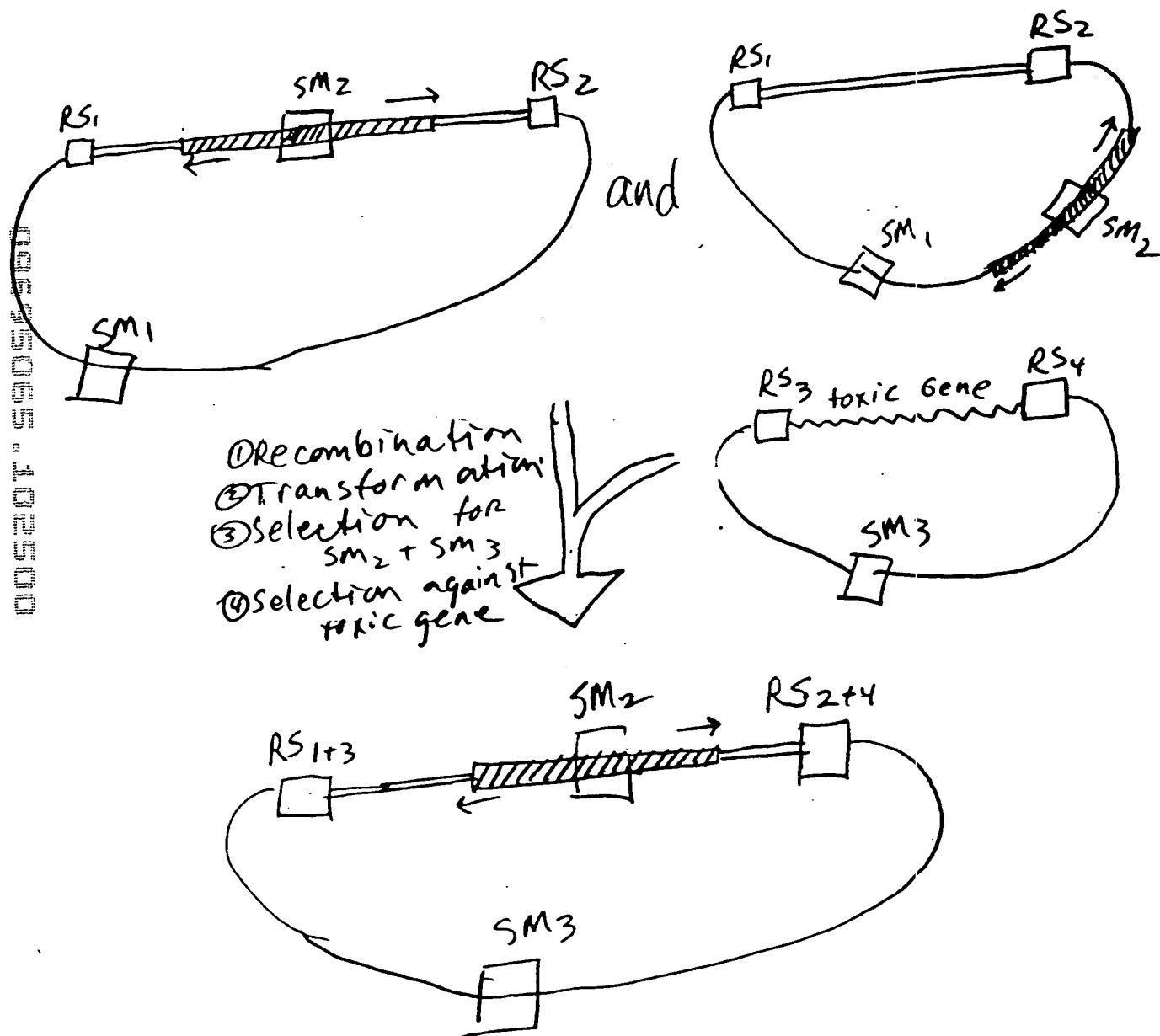


FIG.1

FIGURE 2



# FIGURE 3



# FIGURE 4A

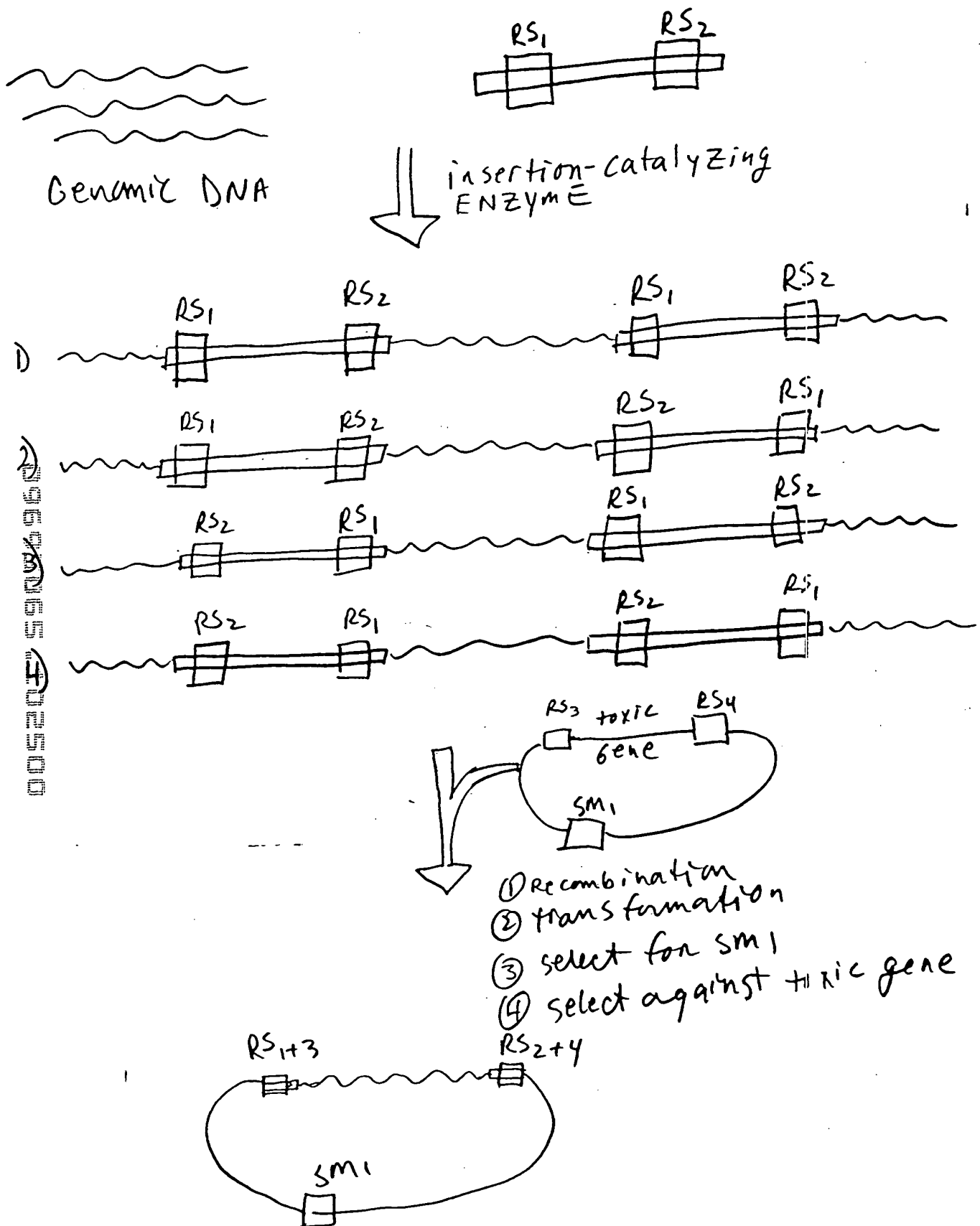
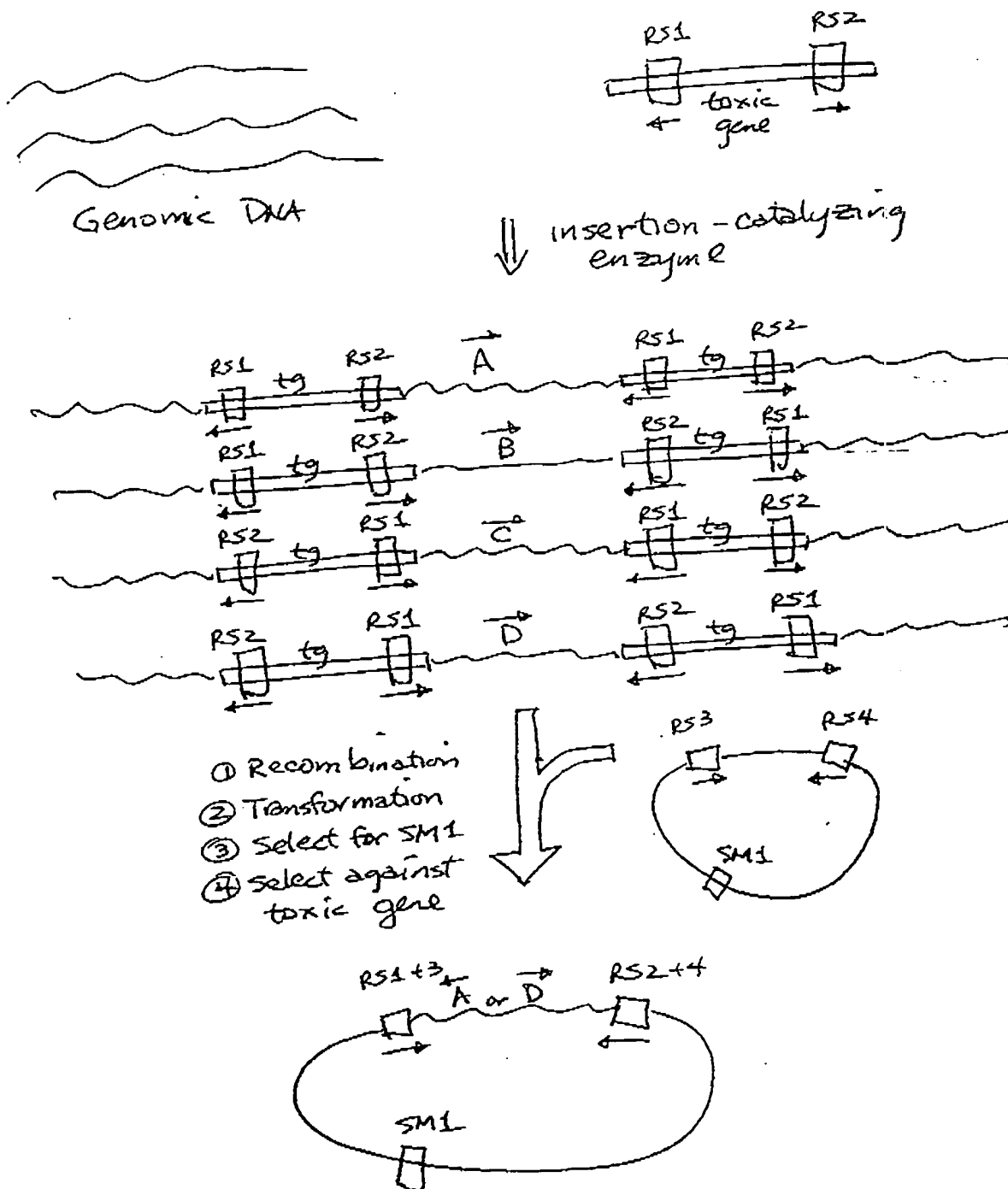


Figure 4B

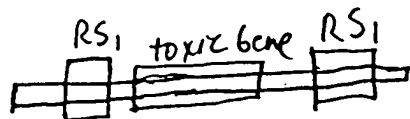


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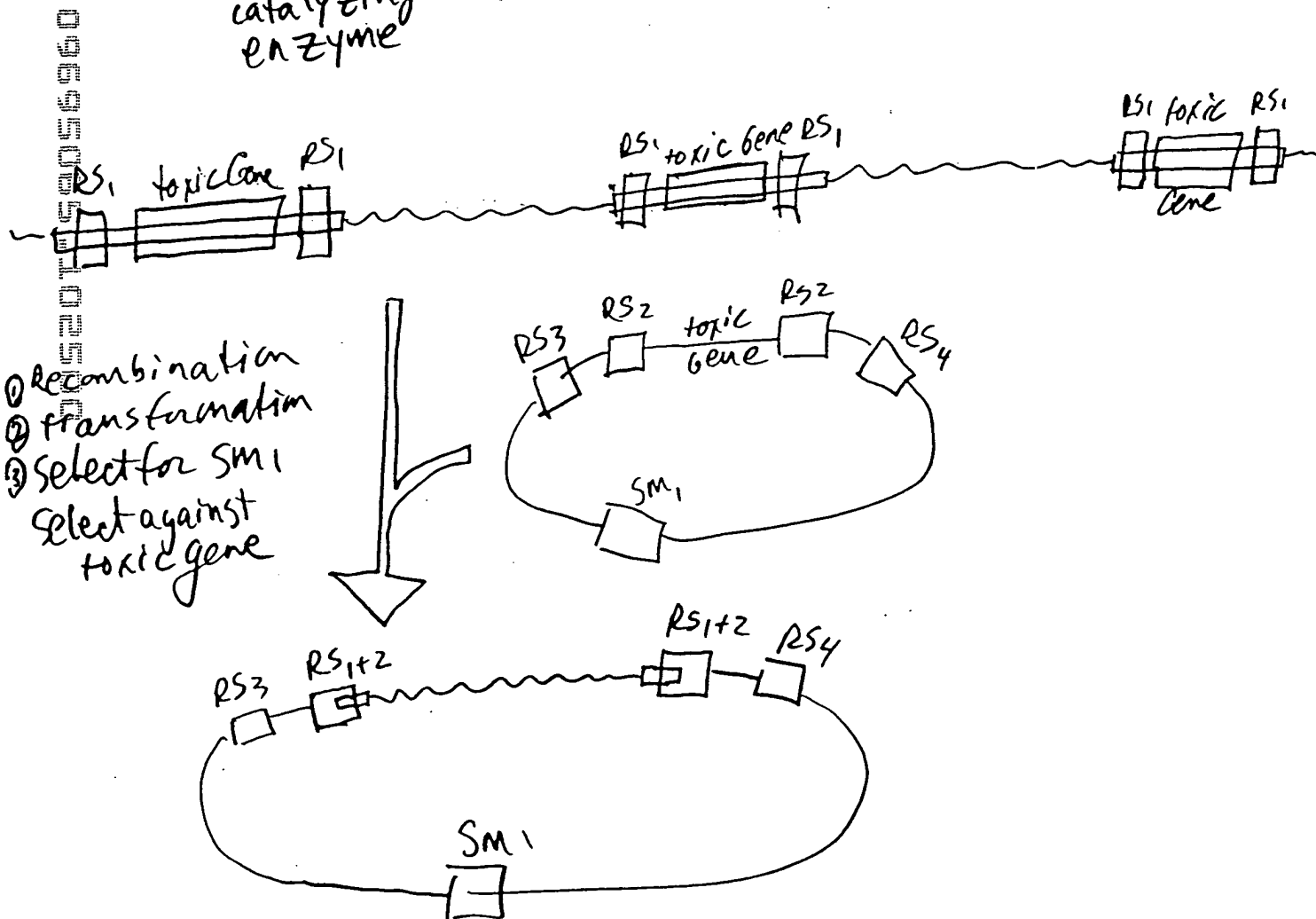
# FIGURE 5



# FIGURE 6

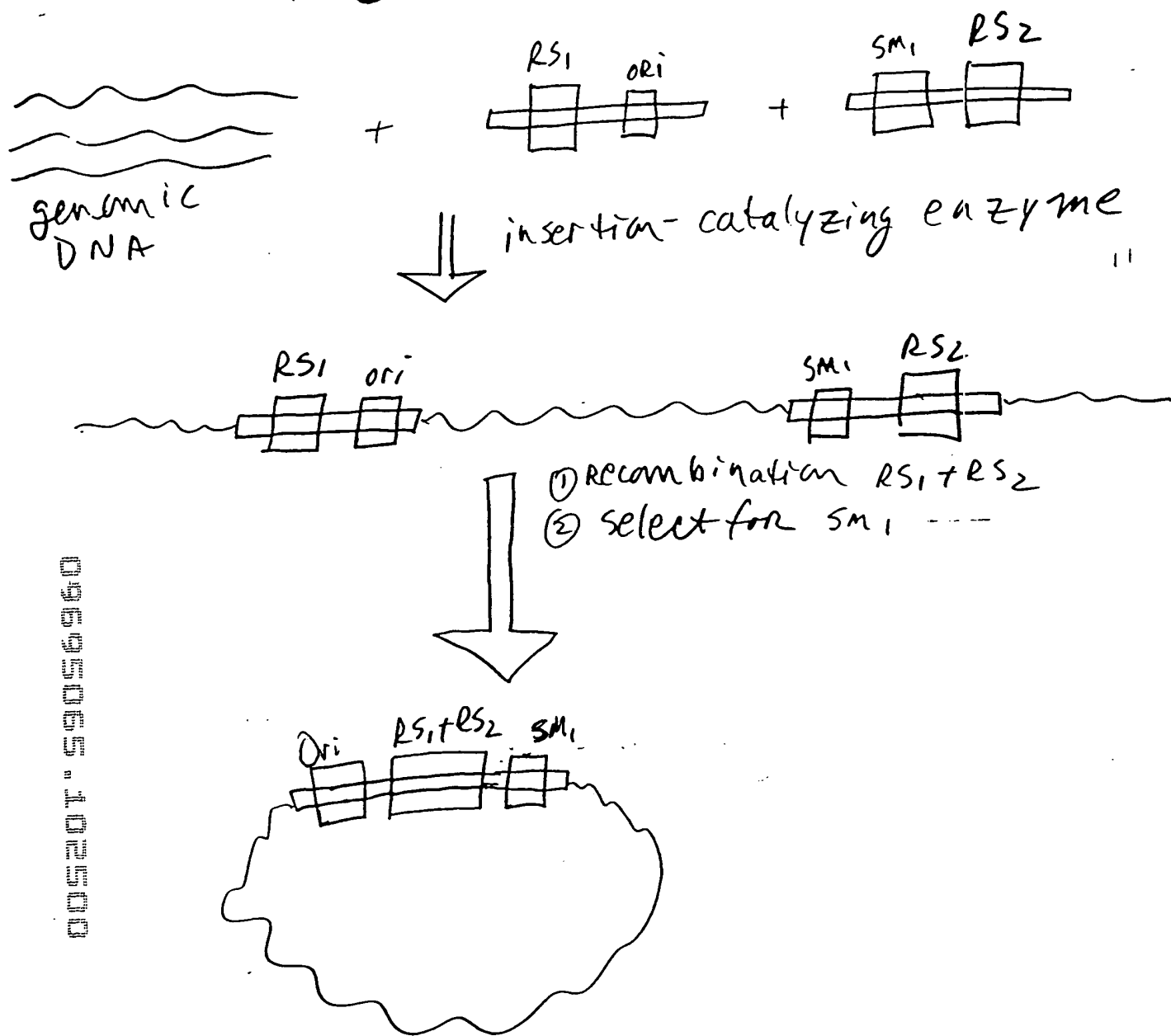


insertion  
catalyzing  
enzyme



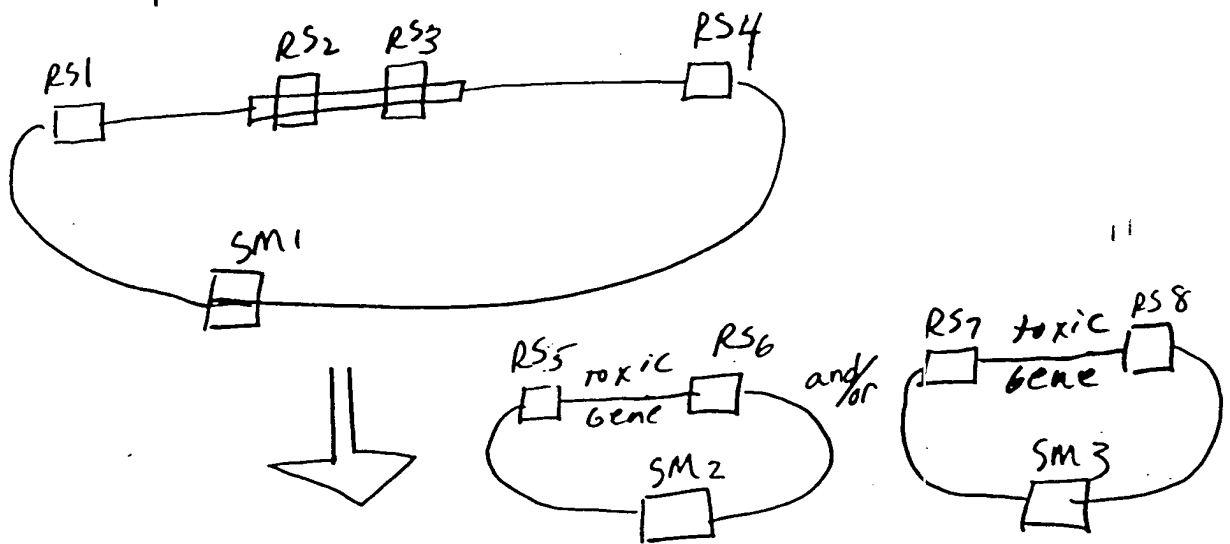
- ① recombination
  - ② transformation
  - ③ select for  $SM_1$
- select against  
toxic gene

FIGURE 7

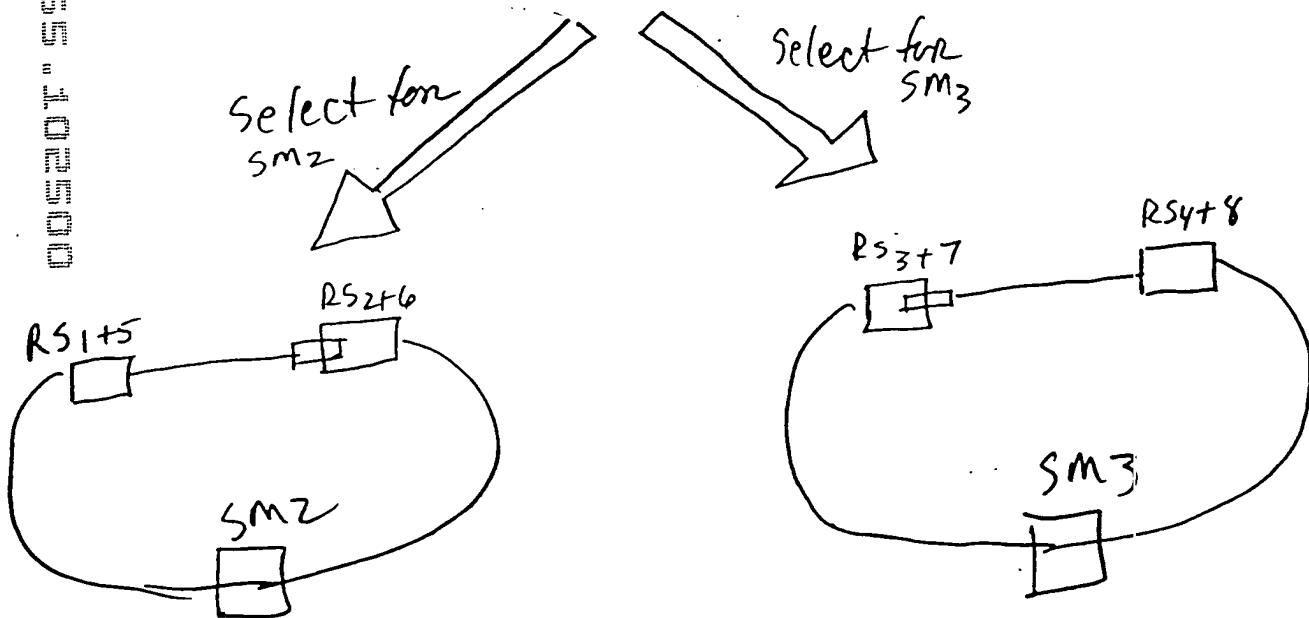


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# FIGURE 8A



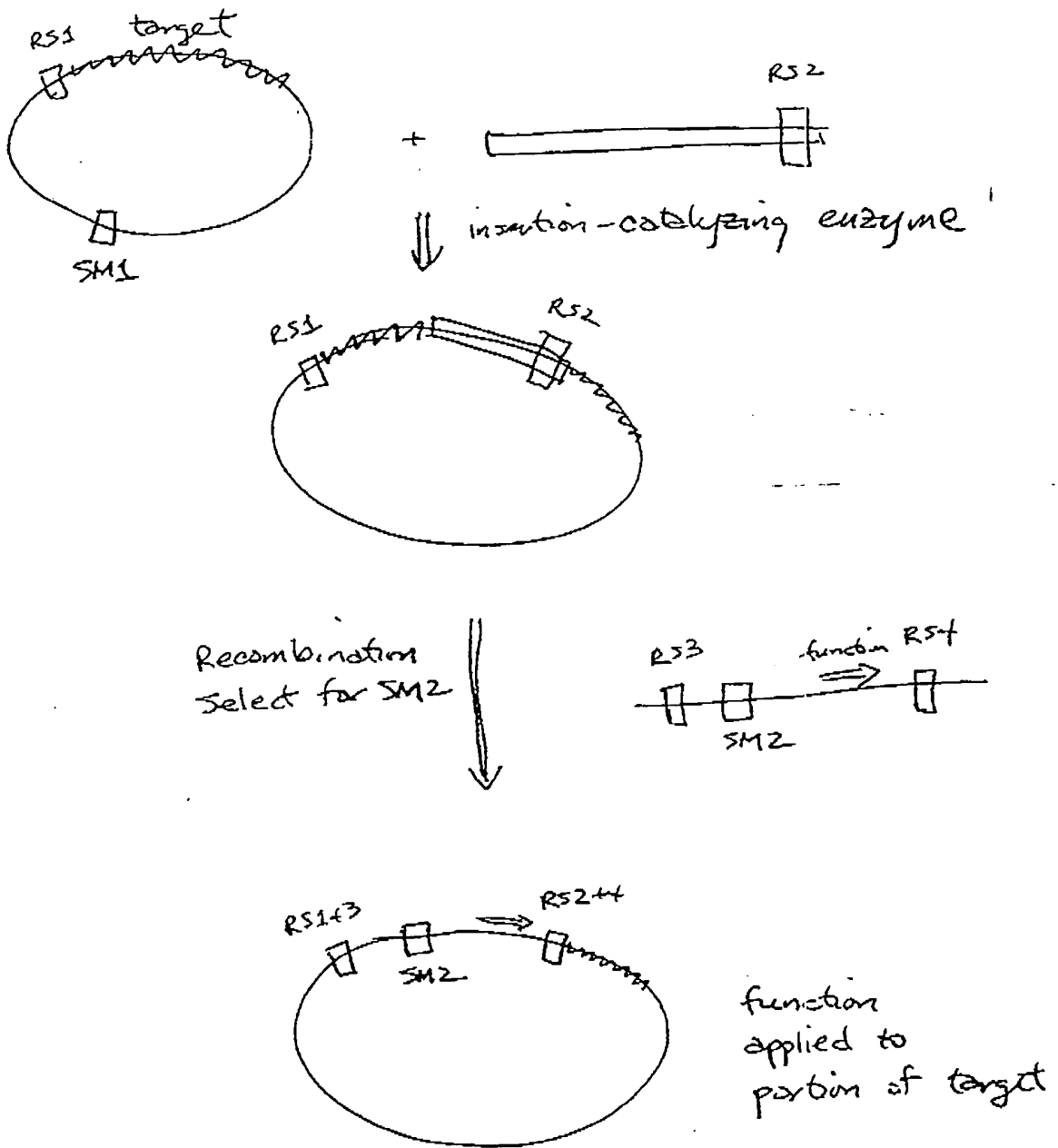
- ① Recombination
- ② transformation
- ③ select against toxic Gene



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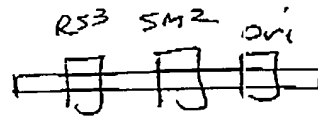
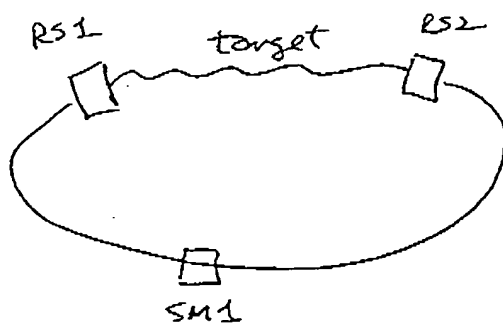


Figure 8B

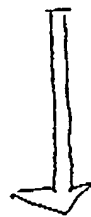


00695065-102500

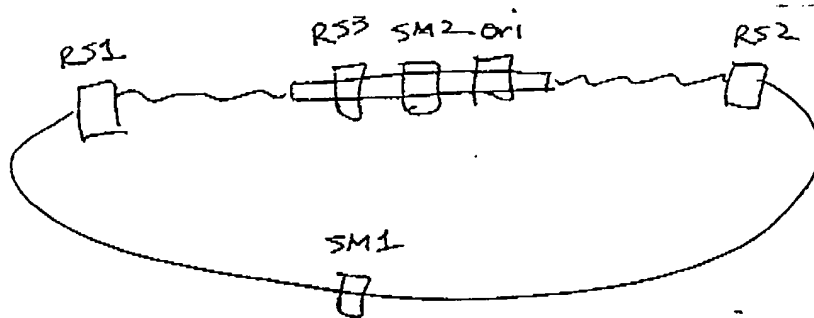
Figure 9



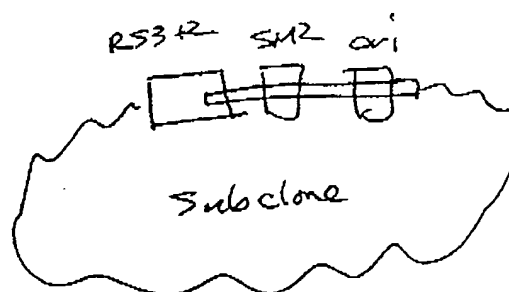
+



insertion catalyzing enzyme

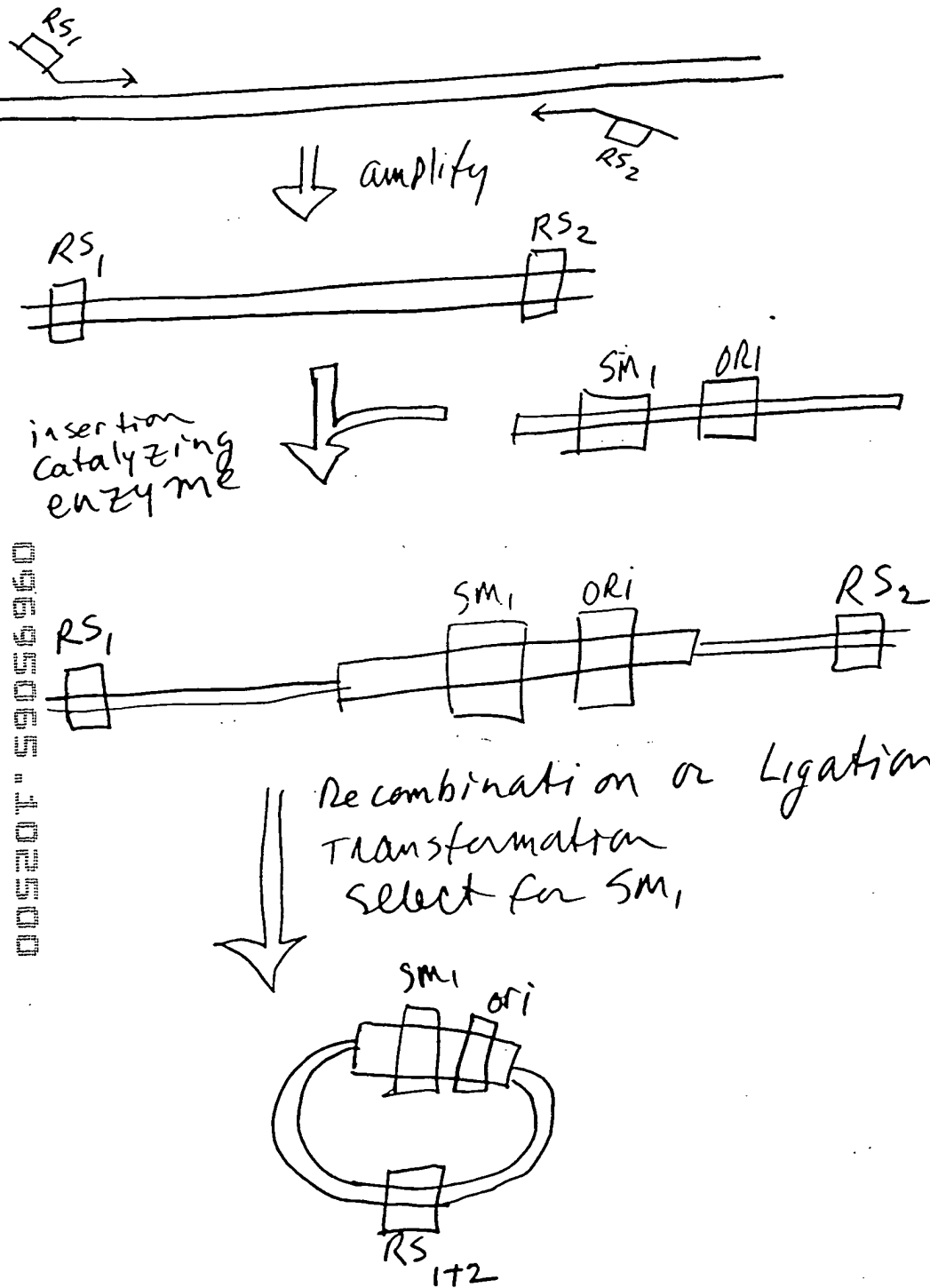


- ① Recombination R53+R52
- ② transformation
- ③ Select for SM2
- ④ Screen for absence of SM1



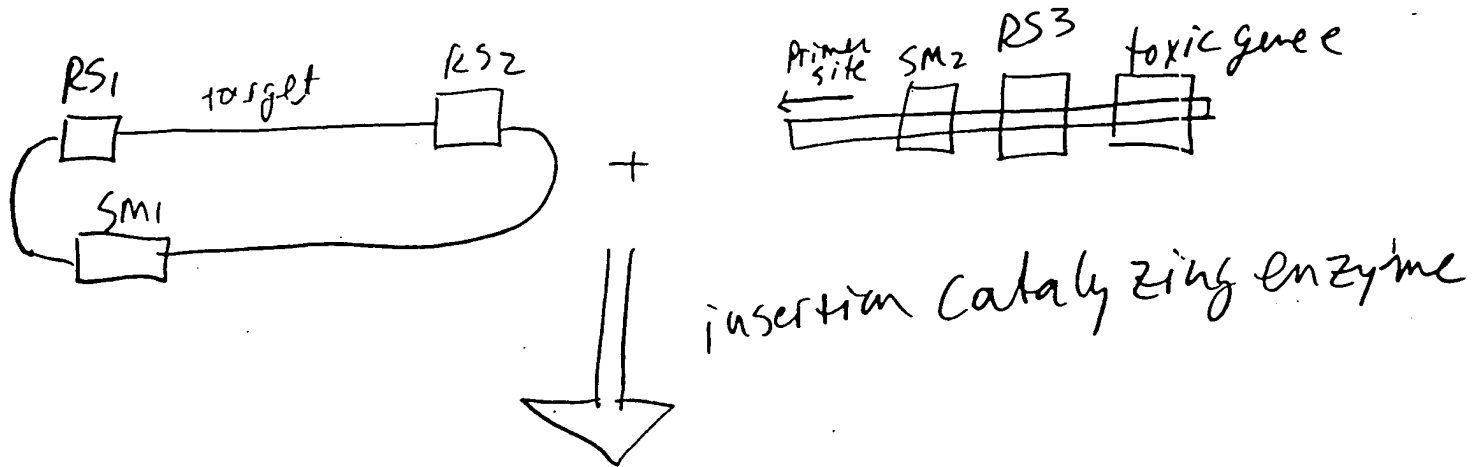
005201" 59056960

FIGURE 10

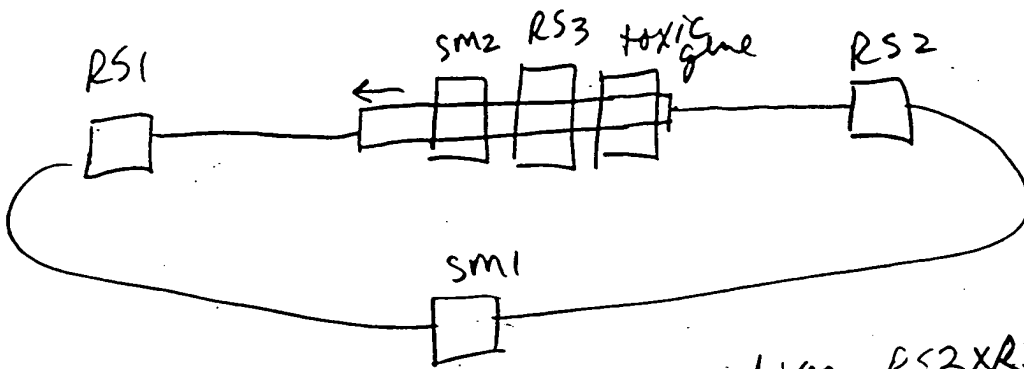


00655065-102500

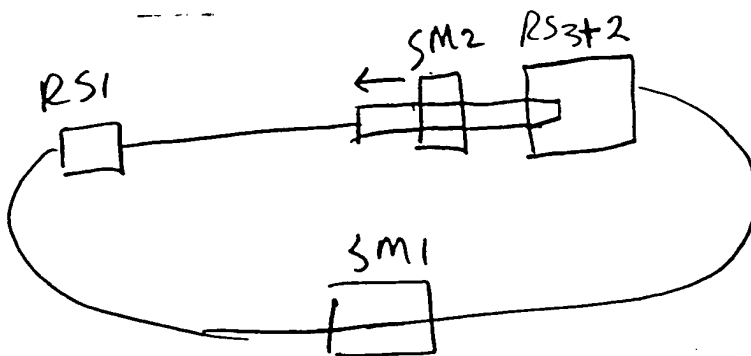
# FIGURE 11



insertion catalyzing enzyme

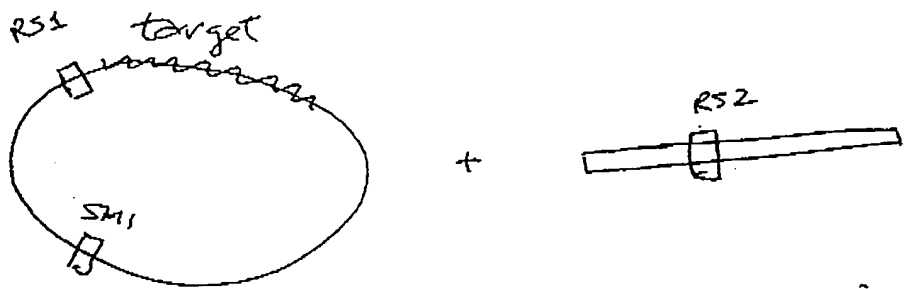


recombination RS2XRS3  
transformation  
select for SM1, SM2  
select against toxic gene

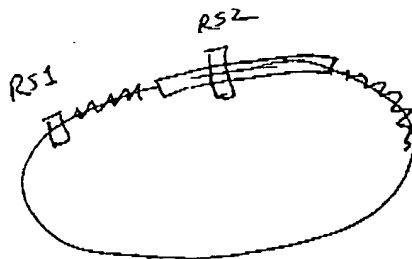


09695065.102500

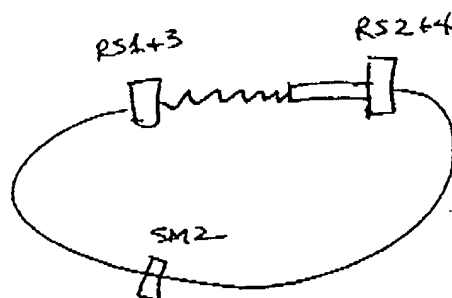
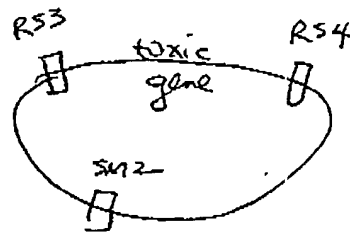
Figure 12



↓ Insertion catalyzing enzyme



Recombination Transformation  
Select for *SM2*  
Select against toxic gene



Clone of deleted segment

005201"59056960

